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Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-4 (canceled)

Claim 5 (currently amended): A display system, comprising:

a signal processing unit generating signals to be displayed and receiving input signals;

an interface unit, comprising:

a control unit receiving the signals to be displayed from said signal processing unit and converting the signals to be displayed into driving signals; and

a first transceiver unit converting the driving signals into forward radio frequency waves and providing the input signals for said signal processing unit from backward radio frequency waves;

a first antenna sending the forward radio frequency waves from said first transceiver unit and receiving the backward radio frequency waves;

a second antenna receiving the forward radio frequency waves sent from said first antenna and sending the backward radio frequency waves to said first antenna; and

a touch-screen display device, comprising:

a second transceiver unit receiving the forward radio frequency waves from said second antenna, converting the forward radio frequency waves into the driving signals and separating the driving signals into x-direction image signals and y-direction image signals, and converting input signals into backward radio frequency waves;

a touch-screen display panel comprising an array of display pixels, x-direction signal [[line]] lines respectively arranged for each [[row]] of rows of the display pixels, and [[a]] y-direction signal [[line]] lines respectively arranged for each column of columns of the display pixels, wherein each display pixel comprises an input signal detector;

an x-direction driver supplying the x-direction signal [[line]] lines with the x-direction image signals from the second transceiver unit, and detecting receiving the x-direction input signals [[by]] from the input signal detector detectors and conveying the x-direction input signals to the second transceiver unit; and

a y-direction driver supplying the y-direction signal [[line]] lines with the y-direction image signals from the second transceiver unit, and detecting receiving the y-direction input signals [[by]] from the input signal detector detectors and conveying the y-direction input signals to the second transceiver unit.

Claim 6 (original): The display system as recited in claim 5, wherein said signal generation device is any one of a personal computer, a server computer, a personal digital assistant, a television set, a television phone and a television conference system.

Claim 7 (original): The display system as recited in claim 5, wherein said touch-screen display panel is a liquid crystal display panel.

Claim 8 (original): The display system as recited in claim 5, wherein the radio frequency waves are millimeter waves.

Claim 9 (original): The display system as recited in claim 5, wherein the input signal detector is of one of a resistive type, a capacitive type, an optical type and an ultrasonic type, and is activated by pressing of a finger or a

stylus pen for generating the input signals.

Claim 10 (currently amended): A ~~touch-screen~~ touch screen display device, comprising:

a transceiver unit receiving ~~[[a]]~~ forward radio frequency waves, converting the forward radio frequency waves into ~~[[a]]~~ driving signals and separating the driving signals into x-direction image signals and y-direction image signals, and converting input signals into backward radio frequency waves;

a touch-screen display panel comprising a plurality of x-direction signal lines and a plurality of y-direction signal lines, the x-direction signal lines and the y-direction lines crossing with each other ~~for~~ and thereby defining a plurality of display pixels, wherein each display pixel comprises an input signal detector;

an x-direction driver supplying each of the x-direction signal lines with the x-direction image signals from the transceiver unit, and ~~detecting receiving~~ x-direction input signals ~~[[by]]~~ from the input signal detector ~~detectors and conveying the x-direction input signals to the transceiver unit;~~ and

a y-direction driver supplying each of the y-direction signal lines with the y-direction image signals from the transceiver unit, and ~~detecting receiving~~ y-direction input signals ~~[[by]]~~ from the input signal detector ~~detectors and conveying the y-direction input signals to the transceiver unit.~~

Claim 11 (original): The touch screen display device as recited in claim 10, wherein said touch-screen display panel is a liquid crystal display panel.

Claim 12 (original): The touch screen display device as recited in claim 10, wherein the radio frequency waves are millimeter waves.

Claim 13 (original): The touch screen display device as recited in claim 10, wherein the input signal detector is of one of a resistive type, a capacitive type, an optical type and an ultrasonic type, and is activated by pressing of a finger or a stylus pen for generating the input signals.

Claim 14-20 (canceled)